

**Bryant**  
Air Conditioning  
Company



## PRODUCT DATA ELECTRONIC CONTROL OPTIONS AND FIA COMPONENTS

FILE: PDS 246.0.3

These electronic pilot options are available for Model 246 Gas-Fired Boiler application. FIA does not approve a specific device or unit. Approval applies to the complete installation based upon the local FIA engineer's evaluation of equipment, hazards of building usage, and the insurance liabilities involved.

FIA generally recommends that gas-fired sectional boilers be equipped with electronically supervised pilots, low-water cutoffs (water boilers included), operating controllers separate from limit controls, also such special gas valving and accessory trim as is covered in the Group C listing. To match FIA recommendations, order the Group A, Manual Ignition Electronic Control Package, and Group C, Valves and Accessories, in combination with the standard 246 Boiler 100% shut-off trim, either D5 (natural gas) or D2 (propane gas).

These options are A.G.A. certified for use with the Model 246 Boiler.

### Group A: Manual Pilot Ignition—for Natural or Propane Gas

1. H-RA890F electronic relay and Q270A base
2. H-Q179B electronic pilot
3. High-temperature flame rod wire for use in the high-temperature area
4. Optional control panel with service lights and switches, with relay base assembled and wired to a terminal strip

### Group B: Electric Pilot Ignition—for Natural or Propane Gas

1. RA890F electronic relay and base
2. Q179A electronic pilot
3. High-temperature flame rod and ignition wire (10 ft. of each) for use in the high-temperature area
4. Ignition transformer-6000 Volt
5. Pilot line solenoid valve
6. Optional control panel with service lights and switches, with the relay base assembled and wired to a terminal strip

### Group C: Valves and Accessories for FIA Systems NATURAL GAS

Bryant P/N	Quantity	Gas Valve Body Size (Inches)	Gas Valve Operator		Gas Cock Size (inches)	System Vent Size (inches)	Vent Valves P/N	Gas Pressure Regulator Size (inches)
			On-Off Type	Quantity				
70505D01	2	1 IPS	H-V4055A	2	1 IPS	3/4	ASCO-8030A83	1 IPS
70505D02	2	1-1/4 IPS	H-V4055A	2	1-1/4 IPS	3/4	ASCO-8030A83	1-1/4 IPS
70505D03	2	2 IPS	H-V4055A	2	1-1/2 IPS	1	ASCO-8215A53	1-1/2 IPS
70505D04	2	2 IPS	H-V4055A	2	2 IPS	1	ASCO-8215A53	2 IPS
70505D05	2	2-1/2 IPS	H-V4055A	2	2-1/2 IPS	1-1/4	ASCO-8215A63	2-1/2 IPS
70505D06	2	3 IPS	H-V4055A	2	2-1/2 IPS	1-1/4	ASCO-8215A63	3 IPS

### PROPANE GAS

70505D07	2	1 IPS	H-V4055A	2	1 IPS	3/4	ASCO-8030A83	None
70505D08	2	1-1/4 IPS	H-V4055A	2	1-1/4 IPS	3/4	ASCO-8030A83	None
70505D09	2	2 IPS	H-V4055A	2	2 IPS	1	ASCO-8215A53	None

NOTE: "H" preceding part number designates Honeywell; "ASCO" preceding part number designates Automatic Switch Co. In addition to the components specifically tabulated for each part number in Group C, the following items are automatically included:

Item	P/N	Item	P/N
5-minute purge timer	H-S427B	Low-pressure gas switch	H-C645A
High-pressure gas switch	H-C645B	Boiler drain valve	3/4 IPS

JOB \_\_\_\_\_ DATE \_\_\_\_\_  
BOILER \_\_\_\_\_ DESCRIBED IN ATTACHED PDS 246.

GAS \_\_\_\_\_ CONTROL TRIM \_\_\_\_\_ LOW-WATER CUTOFF \_\_\_\_\_

PART NUMBER OF FIA GROUP C PACKAGE \_\_\_\_\_

ELECTRONIC PILOT FLAME PROTECTION OPTION \_\_\_\_\_

Ignition: Manual \_\_\_\_\_ or Electric \_\_\_\_\_

Control Panel: With \_\_\_\_\_ or Without \_\_\_\_\_

